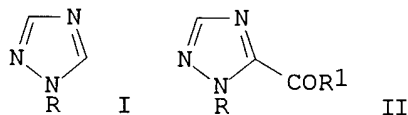
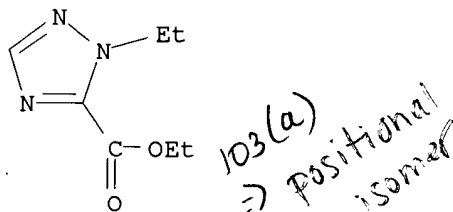


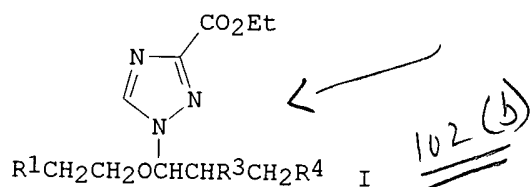
L14 ANSWER 52 OF 73 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1987:67205 CAPLUS
 DOCUMENT NUMBER: 106:67205
 TITLE: 1H-1,2,4-triazole derivatives. Preparation and
 reaction of 1-alkyl-1H-1,2,4-triazole-5-carboxylic
 acid derivatives
 AUTHOR(S): Dallacker, Franz; Minn, Klemens
 CORPORATE SOURCE: Inst. Org. Chem., RWTH, Aachen, D-5100, Fed. Rep.
 Ger.
 SOURCE: Chemiker-Zeitung (1986), 110(3), 101-8
 CODEN: CMKZAT; ISSN: 0009-2894
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 OTHER SOURCE(S): CASREACT 106:67205
 GI



AB The 1H-1,2,4-triazoles I [R = (un)substituted alkyl, Ph, tetrahydrofuryl, tetrahydropyranyl] (19 compds.) were prepd. by reaction of alkali salts of 1,2,4-triazole with alkyl or benzyl halides, as well as by Michael addn. or by condensation of arylhydrazines and HCONH2. These triazoles were converted to ketones II [R1 = (un)substituted alkyl, Ph, 2-furyl, 2-thienyl] by reaction with acyl halides. 1H-1,2,4-Triazole-5-carboxylic acid esters II (R1 = OMe, OEt) were prepd. by reaction of I with ClCOR1 in the presence of Et3N, and converted to amides and hydrazides with NH3 or N2H4.
 IT **106535-33-5P 106535-34-6P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and amidation of)
 RN 106535-33-5 CAPLUS
 CN 1H-1,2,4-Triazole-5-carboxylic acid, 1-ethyl-, ethyl ester (9CI) (CA INDEX NAME)



L14 ANSWER 43 OF 73 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1988:423289 CAPLUS
 DOCUMENT NUMBER: 109:23289
 TITLE: Synthesis and properties of acyclic analogs of ribavirin
 AUTHOR(S): Tsilevich, T. L.; Kochetkova, S. V.; Shchhaveleva, I. L.; Smirnov, I. P.; Gottikh, B. P.; Florent'ev, V. L.
 CORPORATE SOURCE: Inst. Mol. Biol., Moscow, USSR
 SOURCE: Bioorganicheskaya Khimiya (1987), 13(9), 1240-4
 CODEN: BIKHD7; ISSN: 0132-3423
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 GI



$R^1 = \text{alkyl}$
 $R^4 = \text{OH}$
 $R^3 = \text{H}$

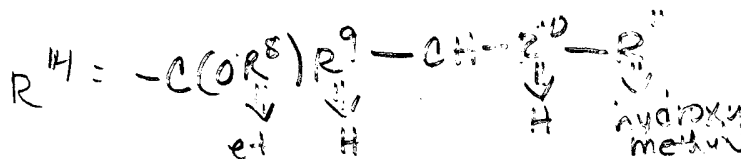
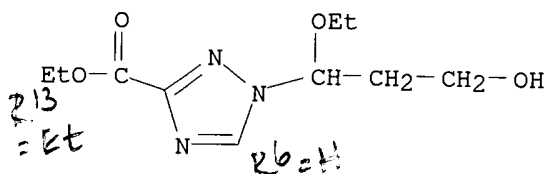
AB The title compds. I ($R^1 = R^3 = \text{H}$, $R^4 = \text{OH}$, Cl; $R^1 = \text{OH}$, $R^3 = \text{H}$, $R^4 = \text{Cl}$, OH; $R^1 = \text{H}$, OH, $R^3 = R^4 = \text{OH}$), with a cleaved C3'-C4' furanose bond, were prep'd. by condensation of the trimethylsilyl deriv. of 3-(ethoxycarbonyl)-1,2,4-triazole with appropriate alkylating agents in the presence of SnCl_4 , followed by treatment with $\text{NH}_3\text{-MeOH}$. Some syntheses of the alkylating agents are also described.

IT 114988-40-8P 114988-41-9P 114988-42-0P
 114988-43-1P 114988-44-2P 114988-45-3P
 114988-51-1P 114988-52-2P

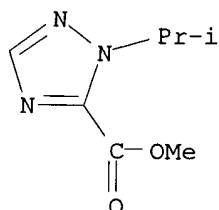
RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as acyclic analog of ribavirin)

RN 114988-40-8 CAPLUS

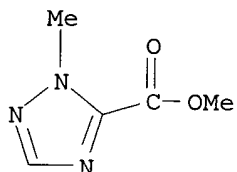
CN 1H-1,2,4-Triazole-3-carboxylic acid, 1-(1-ethoxy-3-hydroxypropyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 106535-34-6 CAPLUS
CN 1H-1,2,4-Triazole-5-carboxylic acid, 1-(1-methylethyl)-, methyl ester
(9CI) (CA INDEX NAME)



IT **57031-65-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and reaction of, with hydroxylamine)
RN 57031-65-9 CAPLUS
CN 1H-1,2,4-Triazole-5-carboxylic acid, 1-methyl-, methyl ester (9CI) (CA
INDEX NAME)



IT **106535-31-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 106535-31-3 CAPLUS
CN 1H-1,2,4-Triazole-5-carboxylic acid, 1-methyl-, ethyl ester (9CI) (CA
INDEX NAME)

